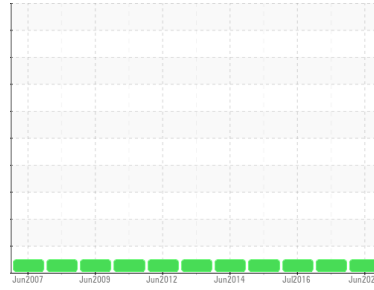




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**RYU2 (S/N YHF-RSE-PEDESTAL)**  
 Component  
**Unknown Component**  
 Fluid  
**MOBIL SHC 629 (--- GAL)**

## DIAGNOSIS

### Recommendation

Please note that this sample was received without a component ID. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the sample.

### Fluid Condition

The sample viscosity is lower than typical, possibly indicating the addition of lighter grade sample. The AN level is acceptable for this fluid. The condition of the sample is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC</b>	WC979373	WC761877
Sample Date	Client Info			<b>26 Jun 2024</b>	15 Jul 2020	19 Jul 2016
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method			<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>0</b>	8	---
Iron	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	6
Chromium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185(m)		<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

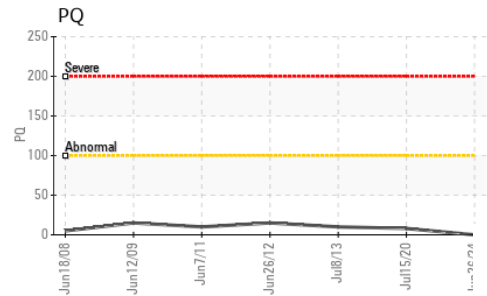
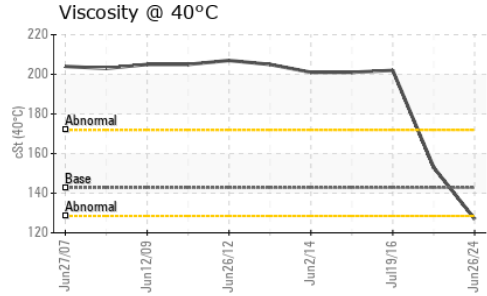
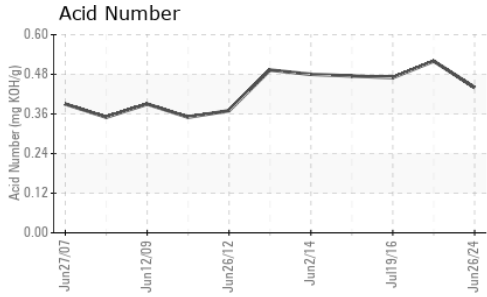
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	1
Phosphorus	ppm	ASTM D5185(m)		<b>376</b>	424	167
Zinc	ppm	ASTM D5185(m)		<b>2</b>	3	13
Sulfur	ppm	ASTM D5185(m)		<b>85</b>	143	2385
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	2

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		<b>13</b>	12	26
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.44</b>	0.52	0.47



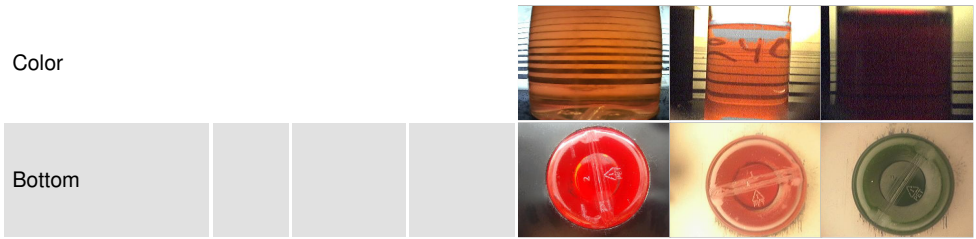
# OIL ANALYSIS REPORT



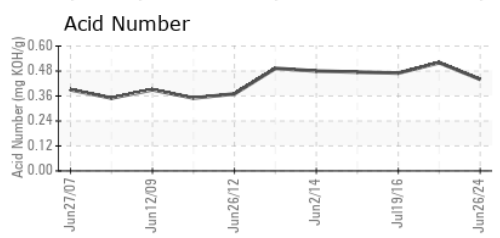
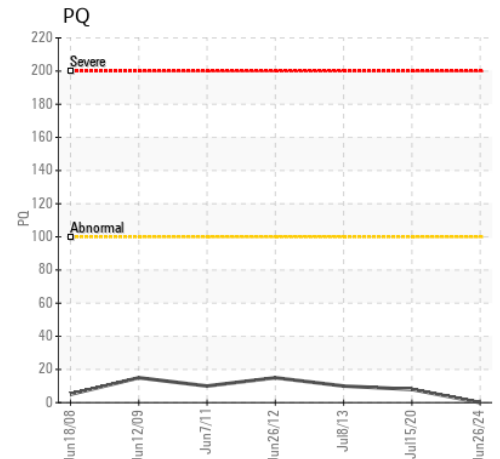
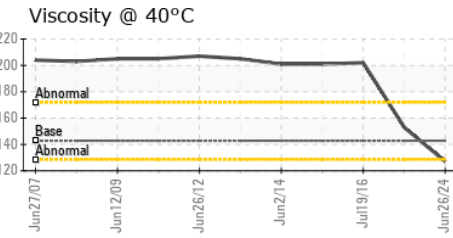
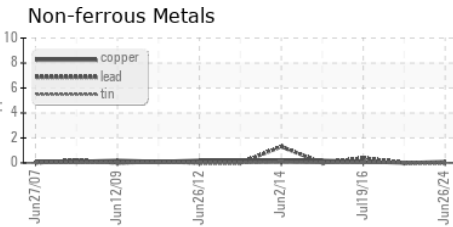
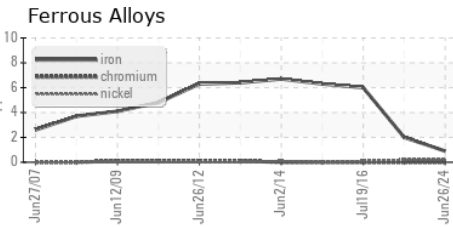
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	NEG	NEG	NEG
Free Water	scalar	Visual*	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	142.8	127	153	202

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC **Received** : 27 Jun 2024  
**Lab Number** : 02644335 **Tested** : 27 Jun 2024  
**Unique Number** : 5801874 **Diagnosed** : 27 Jun 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**NAV CANADA**  
 R.R. #2 TIMMINS AIRPORT  
 TIMMINS, ON  
 CA P4N 7C3  
 Contact: CAL VEZINA  
 vezinac@navcanada.ca  
 T: (705)264-8692  
 F: (705)360-5535

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.